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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR          | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|-------------------------------|---------------------|------------------|
| 10/500,466      | 07/15/2004  | Claus August Bolza-Schunemann | W1.1971 PCT-US      | 8177             |

7590 06/13/2005

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EXAMINER

HAMDAN, WASSEEM H

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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2854

DATE MAILED: 06/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/500,466

Applicant(s)

BOLZA-SCHUNEMANN, CLAUS  
AUGUST

Examiner

Wasseem H. Hamdan

Art Unit

2854

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --****Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 July 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 49-120 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 49-120 are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)                                    | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Election/Restrictions***

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 49-52, 56, 59, 73, 75, 78, 81, 84, 85, 88, 91, 94, 96, 100 and 108, drawn to method for reducing bending vibrations in at least one rotary cylinder of a processing machine.

Group II, claim(s) 53-55, 57, 58, 60, 63, 65, 67, 69, 76, 79, 82, 86, 90, 93, 97 and 99, drawn to a method for reducing bending vibrations in at least one rotary cylinder of a processing machine.

Group III, claim(s) 61, 62, 64, 66, 68, 70, 71, 72, 74, 77, 80, 83, 87, 89, 92, 98, 95, 101 drawn to a method for reducing bending vibrations in at least one rotary cylinder of a processing machine.

Group IV, claim(s) 102-106, drawn to a method for reducing bending vibrations in at least one rotary cylinder of a processing machine.

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Group V, claim(s) 109-120, drawn to an apparatus for reducing bending vibrations in at least one rotary cylinder of a processing machine.

2. The inventions listed as Groups I, II, III, IV and V do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

- a. Group I recites a method for providing signals for charging said actuator for exerting a bending stress for counteracting said bending vibration in said at least one rotating cylinder and providing a sequence of said signals as a function of said angle of rotation position and charging said actuator with said sequence of signals.
- b. Group II recites a method for determining a course of a counterforce to be impressed on said at least one rotating cylinder as a function of said angle of rotation position; and periodically charging said at least one rotating cylinder with said signal selecting a length of said period corresponding to a whole number of full revolutions of said at least one rotating cylinder.
- c. Group III recites a method for providing a signal for charging said actuator for generating a counterforce; predicting a course of said signal as a function of said angle of rotation position of said cylinder; and changing a shape of an actual bending line of at least one of said journals using said actuator.

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d. Group IV recites a method for providing at least one bending vibration inducing obstruction on a circumference of said rotating cylinder; and charging said at least one journal with a changeable force counteracting said bending vibration.

e. Group V recites an apparatus for outboard bearings spaced on said journals at an axial distance of 100 mm to 230 mm from the center of said inboard bearings.

The technical features as stated for each group are not common among all the groups.

3. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wasseem H. Hamdan whose telephone number is (571) 272-2166. The examiner can normally be reached on M-F (first Friday off) 6:30 AM- 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H. Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Wasseem H. Hamdan

June 2, 2005



ANDREW H. HIRSHFELD  
SUPERVISORY PATENT EXAMINER  
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